

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: "Robert J. Gobrick" <rgobrick@nflld.com>  
Subject: [3533] "Four Days in May (c)" QRP Symposium Jan96 Update  
Message-ID: <2.2.32.19960127180112.006f20ec@public.compuser.com>

QST - QRP - JAN96 - QST - QRP - JAN96- QST - QRP - JAN96 - QST - QRP - QST

First-of-the-Year 1996 Newsbreak:

Happy New Year from the "Four Days in May (c)" QRP Symposium Committee. And a Happy New Year it will be if you are able to attend the first annual QRP Amateur Radio Club, International (QRP-ARCI) sponsored "Four Days in May (c)" QRP Symposium on Thursday May 16, 1996 at the Days Inn Dayton South hotel (Dayton, Ohio). We have some exciting updates to report this month and we are now convinced more than ever that this first-ever QRP ARCI Symposium will be unsurpassed in the quality of the technical talks and unsurpassed in the excitement of a very special "qrp world announcement".

1. QRP SYMPOSIUM PRESENTERS: The quality of papers submitted to Bruce Muscolino W6TOY/3, our FDIM Technical Paper Chairperson, have been outstanding. As of January, twelve world-wide presenters have made commitments to present papers. The paper titles and presenters will be released in a forthcoming announcement, but it's fair to say that the technical topics submitted so far cover many aspects of qrp design, antennas, and operating methods. As a quick preview we've had a chance to review a paper being presented by L.B. Cebic, W4RNL, on Small Loaded Yagis and the quality of the paper exceeds the material that L.B. has published in the "Communications Quarterly - The Journal Of Communications Technology". This paper presentation alone should not be missed. As previously announced all "Four Days in May (c)" QRP Symposium attendees will receive a copy of the official QRP Symposium Proceedings as part of their registration fee.

On a separate note, Bruce is still looking for additional authors and presenters to fill the roster. If you are unable to make a presentation but would like to have your paper considered for publication in the QRP Symposium Proceedings please contact Bruce at his email address: BRUCE3900@delphi.com. Author "kits" are available from Bruce and will be mailed out to all potential authors.

2. QRP SYMPOSIUM EXCLUSIVE: In our December 1995 QRP Symposium posting it was announced that the The Four Days in May (c) Committee had secured the exclusive rights for the world premier of a new and exciting QRP Technical Book. The official announcement of the book, the title and the sponsoring QRP Club will be announced in a forthcoming posting. We have had a chance to preview only a small portion (40 pages) of this new book and we predict that this book will be in EVERY QRPer's library. The portion of the book that we reviewed was packed with reams of qrp design data on components,

circuits and techniques - more qrp design information than has ever been assembled in any publication to date. In conversations with the author, his goal was to produce a qrp design book that would bring credibility to the great advances made by the qrp radio designers of today. No more will QRPers be associated with cute little sardine can radios.. and from our first preview there is no doubt in our minds that this goal will be achieved.

As announced in the Dec95 posting we have booked a special QRP Symposium presentation by the author and the sponsoring QRP club publisher. ALL "Four Days in May (c)" QRP Symposium attendees will receive an autographed copy of the new book as part of their registration fee. This offering is an exclusive to QRP Symposium attendees.

3. LUNCHEON SPEAKER: Paulette Quick N90HU, our FDIM Registration Chairperson has lined up a sumptuous and scrumptious luncheon for ALL QRP Symposium attendees. This will be a sit down affair complete with a surprise luncheon guest QRP speaker. The speaker announcement will be forthcoming. Once again, the luncheon is an exclusive for the FDIM attendees and the cost is included in the registration fee.

4. REGISTRATION FEE: Registration for the QRP Symposium will be \$30 if prepaid to Paulette N90HU by May 1, 1996 and \$35 if paid after that date or at the door. We may have to limit May 16, 1995 at-the-door registration if we are sold out of facilities. So please register early to guarantee a seat at this not-to-be-missed QRP event. Registration will cover full day Thursday QRP Symposium activities including the QRP presentations, the autographed world premier QRP Design Databook, the QRP Symposium Proceedings, the scrumptious QRP luncheon and finally the endless QRO coffee pot.

Please send your \$30 (US cheque, money order) FDIM QRP Symposium Registration fee by May 1, 1995 to:

Paulette Quick, N90UH  
FDIM registration  
P.O. Box 145,  
Madison, WI 53701-0145

plquick@facstaff.wisc.edu - email for information only  
(608)263-9326 (work phone)- telephone for information only

5. HAPPY NEW YEAR - on behalf of the "Four Days in May (c)" Committee and the QRP-ARCI we would like to wish all QRPers a prosperous New Year 1996. And as we mentioned in the opening, it will be a prosperous New Year for you if YOU are "there" with us in Dayton, Ohio on May 16, 1995.

73/72 Bob V01DRB/WA6ERB FDIM Public Relations Chairperson.

PS: Start finalizing your travel and lodging reservations for Wednesday night May 15, 1996 to Sunday May 19 for the BIG QRP Event of the Year. Cheers!

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Re-post of the November 1995 announcement:

#### FOUR DAYS IN MAY (c) - The QRP Event of 1996

QRP Amateur Radio Club, International (QRP-ARCI) proudly announces the first annual QRP Symposium to be held on Thursday, May 16 1996 - the first day of four festive days of 1996 Dayton Hamvention QRP activities. Mark your calendars and get your hotel reservations in early for this not-to-be missed QRP event of the year.

Conference presentations, meetings and workshops on everything you wanted to know about amateur radio QRP will all be part of this full day Thursday event to be held at the Days Inn Dayton South (513-847-8422). QRP-ARCI Symposium attendees will start their day with a wake-up coffee social and then plunge into a morning of multimedia QRP presentations by renowned QRPers and QRP equipment manufacturers. A short break for a catered lunch and some special QRP door prizes and then back to an afternoon of more exciting QRP technical presentations. And if that is not enough, then come join us for a Thursday evening of QRP break-out session tutorials. The 1996 QRP-ARCI Symposium will be the talk of the Dayton Hamvention.

QRP-ARCI continues the "Four Days in May" QRP extravaganza with nightly hospitality suite sessions, where QRP projects from around the world are displayed with a pride that only a QRPer could appreciate. "Four Days in May" QRP-ARCI week culminates with the annual QRP-ARCI Friday Night Banquet honoring QRP dignitaries for their service to the amateur radio community.

Registration for the QRP Symposium will be \$30 if prepaid by May 1, 1996 and \$35 if paid after that date or at the door. Please send your \$30 (US cheque, money order) QRP Symposium Registration fee made out to Paulette Quick, N90HU at the address below.

Your 1996 QRP-ARCI "Four Days in May (c)" Symposium Committee:

Bob Gobrick V01DRB/WA6ERB, public relations chair  
(rgobrick@public.compusult.nf.ca),

Bruce Muscolino W6TOY/3, technical paper chair  
(BRUCE3900@delphi.com),

Paulette Quick, N9OUH, registration chair  
(plquick@facstaff.wisc.edu); P.O. Box 145,  
Madison, WI 53701-0145; (608) 263-9326 (work phone)

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#### "Four Days in May (c)" - Call For Papers

Technical seminars will be the largest part of "Four Days in May (c)" - the first annual QRP-ARCI QRP Seminar. The seminars will consist of technical papers, written by QRPers for QRPers.

Papers will be both invited and submitted -- the only criteria for acceptance of a submitted paper is that the topic be of interest to QRPers and the author be able to deliver camera ready copy in time for publication prior to the event.

The following is a guide to topics for submitted papers:

Antennas -- Papers must describe practical, working antennas. There is wide-spread interest among QRPers antennas suitable for camping and backpacking, and hidden antennas suitable for use from apartments and condominiums. Of course antenna designs that offer above average performance at QRP power levels are always in demand.

Equipment Construction -- QRPers are avid builders. The skill level ranges from absolute beginners to highly skilled. Papers at almost any level are acceptable; however, special attention will be given to papers covering "selection of a first project" and "testing, and troubleshooting finished projects". Product reviews will not be accepted unless they compare between two or more units of the same general performance specification. No papers written by manufacturers will be accepted.

Operating Activities -- QRPers are, of course, enthusiastic operators. Papers describing operation away from the home QTH -- whether a camping trip, a DXpedition, or just an afternoon at the local park are welcome. Papers describing operating techniques that enhance the chances of winning awards such as DXCC and WAS using QRP power levels are also welcome.

All accepted papers will be reprinted and distributed to conference attendees at registration. A bound volume of "Proceedings" is under consideration.

Authors who wish to have a paper considered for inclusion in the "Four Days in May (c)" technical sessions should submit a summary

of their proposed paper to the technical coordinator. The summary should not exceed one double-spaced typewritten page. All summaries must be submitted by US Mail. Email submissions will not be accepted.

Authors should plan their papers on a presentation period of 20 to 25 minutes with a 5 to 10 minute question and answer period following each paper. Authors will be responsible for providing their own slides or vue-graphs for illustration. Final, camera ready copy will be due not later than March 15, 1996.

Please send summaries to:  
Bruce Muscolino W6TOY  
PO Box 9333  
Silver Spring, MD 20916-9333  
(BRUCE3900@delphi.com)

Thanks and hope to see you all there - Bruce W6TOY

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From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Frank G3YCC <frank@yorks.demon.co.uk>  
Subject: [3524] Anyone near HENRYETTA, OK?  
Message-ID: <WFDGkIAJQ1CxEw+P@yorks.demon.co.uk>

Hi. I am trying to contact KE5YP, Howard Greenley on packet radio, but so far without success. I have his postal address, but need his packet one. I think it may be @KF5FM.OK.USA.NA, but all messages to him there have been unanswered. Any help would be welcome!

--

Frank G3YCC G QRP CLUB 042 RSGB ARCI  
Packet G3YCC @ GB7HUL.#15.GBR.EU

You can't always get what you want. But if you try, sometimes you'll get what you need.

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Ptcandy@aol.com  
Subject: [3522] Calling NEW ORLEANS hams only.  
Message-ID: <960128072922\_208431601@mail04.mail.aol.com>

Anyone here presently live in New Orleans? If so, please respond privately.  
Thank You.  
Peter N2KPY

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [3517] Explorer 2  
Message-ID: <199601280459.UAA02941@desiree.teleport.com>

Got my hands on the kit built by Ron KC7NLR today while helping him align it. Was his first rig and he did a great job. The vfo trim cap was not too touchy and got it set up on the novice band for him. Sure wish I had a scope and a 10X probe since it sure took a while to set the vfo using the Icom!

Any words of wisdom on using my freq counter for such a rig? Have not scoured the books yet but suppose I could build a buffer amp and feed the counter with it from the rig (vfo has no buffer amp - its fed directly into the NE602's for xmit and receive).

The variable bandwidth is really neat and the rig seems very sensitive. Ron would not let me keep it a "few days" so will hve to build one I guess.

73

Steve Miller KG7PV Norcal # 308, QRP-L #109  
Portland, Oregon

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [3534] FS HEATH HW-8  
Message-ID: <Pine.SOL.3.91.960128140047.7553A-100000@orichalc.acsu.buffalo.edu>

I kept this unit as a source of parts for my first Hw-8 which I no longer have. This one does not have a case. It is a complete chassis with all parts. The front panel and all the knobs are in a plastic bag. The rear panel is already mounted on the chassis and has a BNC connector (only apparent modification). I just put an antenna on and heard cw signals on forty meters so I know it wasn't reverse voltage connected :-)

It comes with 2 photo copies of the manual and the set of heath headphones that I bought for the HW8.

I want to build a T2. I will ship the hw8 via ups for 50 bucks. I will also consider any trades. (716)668-6830.

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
jskalski@acsu.Buffalo.EDU

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: ali@ns2.emirates.net.ae (M M Ali)  
Subject: [3528] ham Doctors  
Message-ID: <9601281512.AD19904@ns2.emirates.net.ae>

Hi everybody,

Any ENT Specialist doctors on this list. Pls e-mail direct. I would like to discuss some issues

\*\*\*\*\*  
\* M M Ali Phone: (+9716) 598912 Home \*  
\*IT Centre FAX: (+9716) 537309 Home \*  
\*Box 686 Dubai Numeric Pager: 9748340 (in UAE) \*  
\*UAE Call Sign: V U 2 A L I \*  
\* \*  
\*A HAM for 25+ Yrs Been MKTG Radios for 14+ Yrs \*  
\*HAMBrewed 200+ Hams Presently administering Radios for a\*  
\*Founded two Ham Clubs major Airrrline in Gulf Region. \*  
\*\*\*\*\*

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [3537] Heath HW8- SOLD  
Message-ID: <Pine.SOL.3.91.960128174827.200006B-1000000@orichalc.acsu.buffalo.edu>

Save your nickle, The HW8 has been sold.

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
jskalski@acsu.Buffalo.EDU

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Dan Reynolds <bcdlr@midwest.net>  
Subject: [3538] Junk Box Fever (RE: Cabin Fever)  
Message-ID: <199601282304.RAA13938@cdale1.midwest.net>

A ham friend gave me a box full of circuit boards, most if not all of which, were from railroad switching and communication stuff, pre-ic days. There are lots of diodes, resistors and transistors, and a few caps. Do I suppose that all the diodes are switching type diodes? Some of the diodes look like resistors, they are a blue color with a color code on them (ITT marked on them as well)....I know they are diodes because of the mark(s) on the PC board. Almost all of the transistors have house markings, 2N3414's, 2N5061's, MPS3705 (these even have the E B C marked on them), lots of other numbers. I'm having a blast stripping these boards, only problem is some of the boards have the leads bent over on the bottom side. All the boards are double sided, and I noticed that they have traces on every hole, even if it doesn't go anywhere, for instance there will just be a donut of copper around the hole.

Anyway do any of you guys have any good scrounging hints, stories, ideas? I also have three VCR's, a CD player, and two portable phones to take apart. Any expert scroungers email me, I'll email you privately with questions to conserve bandwidth. Oh, I also got a neat 12 volt, 12 ah gel-cel with this as well.

Peace+

Dan Reynolds, bcdlr@slip.net, KB9JL0

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Aa4xx <aa4xx@nando.net>  
Subject: [3539] KnightLite Home Page (fwd)  
Message-ID: <Pine.SUN.3.91.960128185324.6067F-1000000@bessel.nando.net>

----- Forwarded message -----

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: km@PACT.ORG.PE (Kris Merschrod)  
Subject: [3526] miliwatting  
Message-ID: <m0tgYMq-0000ZLC@rcp.net.pe>

Stan,



That's not fair. I can't tell about my "Oner" on 10 meters putting out 600 Mw through a 4 element (also home brew of bamboo and string) quad and making it to the Alert station near the North Pole while calling CQ from Costa Rica, where my call sign was TI2QRP.

I'll save that story for another time.

Kris  
OA4DBO

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [3531] Milliwatting  
Message-ID: <Pine.SUN.3.90.960128092116.23618C-100000@vortex.sage.dri.edu>

Hmmmmmm,

I could tell about the time I was running a 6AG7 Xtal osc on 40m, (back when it was a CW only band), and got a pink qsl from the FCC back east confirming my good signal on 20m, just a little out of the amateur band.....

But I'll not waist the time doing that :-)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
...ku7y@sage.dri.edu.....Sun Valley, Nevada....  
...QRP-L #17....ARRL....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: al507@detroit.freenet.org (John W. Kelly)  
Subject: [3542] milliwatting  
Message-ID: <199601290225.VAA12177@detroit.freenet.org>

Greetings all, and a great topic. Here's some of the milliwatting I've done. Two weeks ago I worked the mi-qrp test from my home qth near Lansing, Mi. At 21:18 utc I

gave up on it, as we were trampled by the na qp test. I figured if ya can't beat 'em, join 'em, and did, but I cranked the power down a bit, from 5 watts to 50 milliwatts. Between 21:14 and 22:05 utc on 40 meters I made 13 contacts, and worked the following states: NC, PA, MA, MD, TN, NJ, AL, GA, and DE. I only answered cq's, and the stations I worked at first were 20db+ over s9, then I worked a couple at s9. I found if no one else was calling them I stood a pretty good chance of working them. Things had gotten pretty slow with the Mi test, so this was a real high point of my afternoon, especially at 50mw. Its too bad they don't give rst's as part of the naqp, it would have been a stitch, but I didn't have to repeat much, even at 25wpm+.

The rig I used was a Kenwood ts-450s/at, which turns down to qrpp beautifully. I measured the output wattage with my OHR wm-1 watt meter. My antenna is an inverted vee, 90 feet long each leg, 40' at center fed with about 180' of 450 ohm ladder line to a 4:1 remote balun and 2' rg-8x to the tuner/rig. My home is near, but not at the top of a hill which is the highest point in our county. The 180 foot dipole may be pushing it a bit for some "urban dwellers" but if you're on good terms with your neighbors it could be done.

I made the antenna using the advice "get as much wire up as high as you can and feed it with ladder line". The ladder line really did make quite a difference for me, even compared to a resonant 40m dipole fed with 200' of rg8x. Using the coax, I found I got out pretty well at 1 watt, but didn't have the greatest results at milliwatt levels. As far as band conditions that day, the solar flux got up to a whopping 69.

When I stopped working the na qp test, I sat in disbelief, and tried to figure out why it had gone so well at 50mw compared to pulling teeth with 5 watts in the Mi qp test. I figure that by comparison the mi test never reached "critical mass". By that I mean having enough ops in the right places at the right time for the optimum propagation paths. I also wonder if the sophistication of the other ops antennas, rigs, and filters in the na qp may account for part of it.

One last thought on milliwatts and perspective. I've copied AA4XX's 40m beacon at 500 micro watts on two occasions. By comparison, 50 milliwatts is high power,

and 250mw is true qro, and 5 watts, well... :-)

72 de John AA8LF

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [3532] OHR rig FOR SALE  
Message-ID: <199601281725.JAA17121@desiree.teleport.com>

Building bug forces sale :-)

OHR QRP 20  
(model prior to Explorer I )  
2 watts out @ 12 V / 3 watts out @ 13.6 V  
Original condition (I built it) with manual, schematic and parts overlay  
Tunes 14.000 to 14.120 (very stable after 5 min warm-up)  
Superhet receiver with 9 mhz IF  
4 pole xtal filter  
Audio filter with front panel wide/narrow selection switch  
RIT  
Semi-QSK with interior adjustable delay  
Painted silk-screened front and rear panels  
Nice Ten Tec JW6 case (approx 2 1/2 H X 6 1/4 W X 5 3/4 D)

\$70 shipped to your door with fused pwr cord included

73

Steve Miller KG7PV Norcal # 308, QRP-L #109  
Portland, Oregon

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [3518] OHR Spirit II vfo mod (less drift)  
Message-ID: <199601280459.UAA02962@desiree.teleport.com>

Update as promised. Have tried 36 different cap combinations to tame the positive drift in my 30 meter version. Here is the best I could do ( and following Chuck's DFW rule have put the cover back on hihi): changed C120

68 pf to small dipped Silver Mica 5% and changed C125 220 pf to a monolithic (like the Mallory caps from Mouser). Left the trimmer alone (tho if you want to re-do it like the various posts on the Explorer II the 30 meter value is 68 pf to get the right 50 kc tune range, at least it was on mine :-)  
Rig cold, counter warmed up 30 minutes min, cover on, room as stable temp as this basement shack will allow.

So here are the results:

Original drift:

5 min + 150 hz

10 min + 230 hz

20 min + 420 hz

Drift from then on was slow + 20 hz min. Not that great.

With mod:

1 min 19.111.30

2 min .31

3 min .33

4 min .35

8 min .39

9 min 19.111.40 + 100 hz

10 - 70 min ranged from 30 hz down (19.111.37) back up to the max of 19.111.40  
recorded at 9 min.

75 min - 120 min slow neg. drift ( - 1 hz min avg)

Final reading - at 120 minutes 19.111.31

So the max was +100 hz at 9 minutes and then it was fairly stable for the next hour.

The second hour was slow -1/hz min avg drift down, tho the actual rate varied from a max of -2hz/min to a low of -.6hz/min with most of the time at the .6hz rate.

Disclaimer - my Startek counter only reads to 10 hz and my basement is not a frequency oven :-)

Offer: I have a limited supply of caps for this mod (10??) so if any one who built a 30 meter Spirit II wants to try it, send me note. No fee tho donations accepted towards postage and handling hihi.

73

Steve Miller KG7PV

Norcal # 308, QRP-L #109

Portland, Oregon

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996

From: km@PACT.ORG.PE (Kris Merschrod)

Subject: [3527] Q-DOPE & OTHER TOXIC WASTE  
Message-ID: <m0tgYMr-0000ZNC@rcp.net.pe>

Harry, KM3D

You are playing with toxic waste! Don't mix that stuff! Dispose of it properly and file an environmental impact statement.

Then use your YL's clear nail protector and let it go at that.

A cleaner New York is up to you.

Kris  
OA4DB0

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: JKXM17A@prodigy.com ( ALLEN SMITH)  
Subject: [3543] Researching QST Indexes  
Message-ID: <097.09772573.JKXM17A@prodigy.com>

Because I had been going manually through my back issues of QSTs looking for a review of the Ten-Tec Corsair, I was happy to read on page 86 of the February, 1996 QST that some kind sole had converted the annual QST indexes to ASCII files available on the ARRL Hiram BBS (860-594-0306) as QSTSEARC.ZIP. These are also supposed to be available on the internet but I could not get into the FTP site because it was allegedly too busy.(FTP to oak.oakland.edu, in the directory /pub3/hamradio/arrl/bbs/programs.)

Anyway, I am forwarding the information to the group because there may others out there with an interest in downloading these indexes. When I unzipped the indexes I even noticed some old articles on QRP operating and equipment. I know many QRP ops use Ten-Tec equipment and I took note of numerous reviews of many older Ten-Tec rigs like the Century 21 & 22, 544, Argosy, Omni D, Corsair II, and some more recent ones such as the 585 Paragon and the Omni V. (The Omni VI was reviewed in January, 1993.)

The zipped QSTSEARC.ZIP file is 253,740 bytes and it unzipped to 748,113 bytes. I downloaded it with "Y Modem" in less than 5 minutes using a 14,400bps modem, which is pretty old and slow stuff these days.  
Good Luck and 72/73, Allen - AA0YU

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996

From: Aa4xx <aa4xx@nando.net>  
Subject: [3523] Sat Beacon Results  
Message-ID: <Pine.SUN.3.91.960128074904.3149H-100000@bessel.nando.net>

Gang,

Dave Teague, KF5IU, from Jena, LA, seems to be the sole survivor of Saturday night's 1 milliwatt beacon test. Overall, this weekend's test demonstrated some impressive listening feats by N2JJ, K5F0, KF5IU, N5KDA and N6ULU. Stan battled the QRN for 1.5 hours to extract the 5 letter codeword Friday night. This session also proved that you don't need multimillion dollar receivers to participate. If K5F0 can do it with an OHR Explorer II, we all should be able to join in the fun.

Congratulations to the stations listed above, and thanks to many others of you for your reception reports. Next weekend, we have something special planned for you beaconers. More on that later this week!

72,  
Paul

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: burdick@interval.com (Wayne Burdick)  
Subject: [3521] Sierra power output note  
Message-ID: <199601280800.AAA01225@interval.interval.com>

Sierra owners:

Here's a simple change you might want to make that will increase power output a bit, especially on the low bands (40 and below). Turns out I "over-engineered" the driver/PA transformer and had inadequate primary inductance in some cases. (Thanks go to Dave Meacham, W6EMD, who collaborated with me on the change and had actually suggested it earlier in a QRPP article.)

Here it is:

T2 currently has 8 turns on the primary and 3 turns on the secondary. The primary winding should be changed to 11 turns.

Other Notes:

1. If you're anticipating rolling your own band module for 160 meters, you'll want to use 18 turns on the primary and 5 turns on the secondary; this is the same ratio but will provide the extra inductance needed for "top band." Change R15 to 36 ohms at the same time to avoid exceeding the base-emitter breakdown voltage of Q7 due to excess drive.

2. If you get over about 3 watts on ANY band, change the zener protection diode, D7, to 43V instead of 36V. Otherwise, the zener may actually be conducting on peaks. At the same time, change R15 to 36 ohms for the same reason mentioned in #2. (These changes are especially important if you run on voltages above 14V, as I suggested in "Vitamin V: Voltage.")

73,  
Wayne

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: richards@nylink.org  
Subject: [3535] Top Fed Verticals  
Message-ID: <9601282110.AA14935@genesis.nylink.org>

Hi All,

I've been considering for quite some time setting up a top fed vertical for 80m. Briefly, my property goes over a 60 to 70 foot bank down to a swamp and then to a lake. I want to set the "base" on top of the bank, by the house, slant the 1/2 wave wire down the bank to the swamp and end it there. So I have a sloper of sorts with a 60 foot sand reflector next to it. I've never seen any references to top feeding verticals and wondered if this situation would present any special or unusual problems. Can I just feed the vertical at the top and send the other side of the feed line to ground with the far end in the swamp? Any need for a terminating resistor?

One other possibility I thought of was instead of one side going to ground, I could make it a 1/2 wave line and send it about 90 degrees the opposite direction, so it would be a sloping, full wave Vee beam sort of contraption. Any thoughts?

I think I better invest in some antenna modeling software!

72 de Rick WZ2T NNY  
richards@nylink.org

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: W3HMS@aol.com  
Subject: [3536] Re: Calendar 1996  
Message-ID: <960128155106\_129624906@emout06.mail.aol.com>

Chuck.....never mind the screw up....you are DOING something.....the world is full of those who have no guts and do nothing but criticize.

I think the calendar is nice!!! For me I can put it in Word Perfect and add the events unique to me and delete some items for same reason.....that is a heck of a lot better than cutting and pasting or scribbles.....or forgetting.

73, John

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Frank G3YCC <frank@yorks.demon.co.uk>  
Subject: [3525] Re: Gqrp-1  
Message-ID: <W1CG4MAOR1CxEwdY@yorks.demon.co.uk>

In message <9601280040.AA27164@rgfn.epcc.Edu>, William R Colbert  
<af852@rgfn.epcc.Edu> writes

>

>

>Well just got first digest (2 messages) from the G list. I have been  
>checking the novice column in SPRAT, looking for the hf freqs the  
>2E stations are allowed on. ooops should read.... on which 2E stations  
>are allowed. There have been occasional references to bands, but  
>I don't remember seeing and I have not found in my back issues, the  
>actual frequencies. Thanks to all for the info on the G QRP-L list  
>and what to expect in message levels. 72/73

>

>--

>Ray Colbert, W5XE/V31XE, El Paso, Tx

>

I will check with George, G3RJV, QRX ...

--

Frank G3YCC G QRP CLUB 042 RSGB ARCI  
Packet G3YCC @ GB7HUL.#15.GBR.EU

You can't always get what you want. But if you try, sometimes you'll get what you need.

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: rohrwerk@netcom.com (John Seboldt)  
Subject: [3540] Re: LOOPS AND OTHER ANTENNAS



Message-ID: <v01530500ad31bca28879@[10.0.2.15]>

>From: KFGlynn@aol.com

>Message-ID: <960127102611\_207879464@emout04.mail.aol.com>

>Have been reading about loops from

>W1FB Ant Book. He used one during a Field Day and reported good results.

> Will probably use ladder line rather than make my own feeder as he did.

>However I've also read in an RSGB book that this ant is not a good multi-band

>ant? They suggest to feed it with a matching section and to use on a single

>band. W1FB says it works well as a multi-band ant and will show some gain on

>those higher freq?

My experience tallies with W1FB's, assuming you're talking a \*horizontal\* loop. A horiz. loop is an \*excellent\*, \*superlative\* general-purpose multi-band wire antenna, assuming you have no particular DX goals for low-angle radiation on a particular band. Feed it with open wire and tune it on any band where it's a full wave or longer. On freqs where it's less than a full wave, just tie both ends of the feeder to your tuner in unbalanced mode and it becomes something between a "random wire" and a "top loaded vertical" depending on how straight your feed is :-). My 350 foot loop, randomly strung in the trees about 20-40 feet high, works fine on 160 for general ragchewing when fed unbalanced.

John Seboldt K0JD

Minneapolis, MN

rohrwerk@netcom.com

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996

From: Steven Wilson <randyw@crl.com>

Subject: [3529] Re: miliwatting

Message-ID: <Pine.SUN.3.91.960128070736.2307A-100000@crl10.crl.com>

Hi Kris, nice job even if you did use a quad. hi

As you know antenna makes a big difference. I ran a full size 4 element beam on 20 meters for several years. Using the beam over what I had considered good antenna for years was like buying a new and better receiver. hi I think the real test of any receiver is using it with a trap vertical and a good test of a transmitter is a simple dipole about 25 ft high.

Thanks for the input. de stan

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: herr@ridgecrest.ca.us (Michael Herr)  
Subject: [3530] RE>Milliwatting  
Message-ID: <v01530504ad31a93ca201@[199.120.150.44]>

Hi gang,

I don't do milliwatting on a regular basis but I have participated in some interesting experiment. Richard, KI6SN and I have a regular sked. When the conditions are good (not recently), we start to crank the power down. I recall one interesting day when I was using the HW-9 and Richard a simple two transistor xtal affair, I believe a 2n2222 oscillator and a 2n3866 final. I cranked the power down on the HW-9 till there wasn't any more knob available. Neither the HW-9 meter nor the homebrew SWR meter registered a thing. RIchard could still hear me! Next washis turn. He couldn't crank the power down, but making a quick, on the fly rig rework, he remover the power from the final. Now he was transmitting via the 2n222 oscillator through a cold, unpowered final! I could still hear him, about a 439. Neither one of us knows how much power we were actually runing, but it was impressive!

72

Mike WA6ARA

From qrp-1@lehigh.edu Sun Jan 28 22:20:16 1996  
From: KFGlynn@aol.com  
Subject: [3516] Re: No Amer Call Bk  
Message-ID: <960127232735\_305714780@emout04.mail.aol.com>

Hello Fr.,

You can send a message (no subject necessary) to [lookup@qrz.com](mailto:lookup@qrz.com). The body of the message is as follows:

lookup <callsign>  
lookup <callsign>

You will receive an auto-reply with all American calls you asked for. If you need other sites I can also let you know their web addresses.

73 de Kevin KB2TE0

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>  
Subject: [3519] Re: No Amer Call Bk  
Message-ID: <96Jan28.010527est.14493-2+71@hooch.CC.Lehigh.EDU>

> Does Lehigh look up North American calls? If so how do I request  
> the lookup?

Send the following command, in the body of an e-mail, to  
listserv@Lehigh.EDU:

RUN QRP-L X FCC\_CALL callsign

This command just connects in "real-time" to the UALR callsign  
server and mails the results back to you.

73  
Jim N3VXI

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Raymond Sommers <rsommers@worf.uwsp.edu>  
Subject: [3541] Re: QRP and RTTY  
Message-ID: <Pine.BSI.3.91.960128192814.4497A-100000@worf.uwsp.edu>

On Sat, 27 Jan 1996, Bill Jones wrote:

> In browsing through the shareware offering on my 1994 "The World of Ham  
> Radio" CD, I discovered a program called HAMCOM (version 2.2)

Did a little exploring and found version 3.0 at ftp site:  
oak.oakland.edu  
in directory pub3/hamradio/dos/digital/utils/  
name hamcom30.exe

So I'm also interested in comments of anyone using it.

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|/\| |\_) (/ the | ,ittle | \ ilowatt \ , uster (Wisc.)  
~ ~ ~ ~ ~  
~ ~ ~ ~ ~  
from ~

Ray Sommers, rsommers@worf.uwsp.edu  
WB9LKC QRP-L #8-) qrp ARCI #3816 NorCal #1423

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: rohrwerk@netcom.com (John Seboldt)  
Subject: [3515] re: R2/T2  
Message-ID: <v01530501ad2ef8e98d74@[10.0.2.15]>

>From: "Ted Kell" <kell@mpac.jsc.nasa.gov>  
>Message-ID: <199601241437.JAA96746@nss2.CC.Lehigh.EDU>  
>

>Being not an electronic designer, I would be interested in how you tied these  
>two units together to make one unit. I understand that some kind of VFO and a  
>phase splitter is required. Also an amp for the T2. How did you do this?

To Ted and all, once again, I remind you of the Web/FTP collection of  
helpful R2/T2 stuff at <<http://www.lehigh.edu/lists/qrp-l/k0jd/>> The web  
page describes some files you can download; eventually it will all be  
hypertext. (I forget the direct FTP address if you don't have Web access  
:-) ).

: John Seboldt rohrwerk@netcom.com / The joint chiefs of staff:  
: Amateur radio K0JD... / General Confusion and Major Error  
: Church of the Annunciation, / ("Car Talk")  
: Minneapolis /

From qrp-l@lehigh.edu Sun Jan 28 22:20:16 1996  
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>  
Subject: [3520] Re: R2/T2  
Message-ID: <96Jan28.010827est.14493-2+72@hooch.CC.Lehigh.EDU>

> To Ted and all, once again, I remind you of the Web/FTP collection of  
> helpful R2/T2 stuff at <<http://www.lehigh.edu/lists/qrp-l/k0jd/>> The web  
> page describes some files you can download; eventually it will all be  
> hypertext. (I forget the direct FTP address if you don't have Web access  
> :-) ).

<ftp://ftp.lehigh.edu/pub/lists/qrp-l/rigs/r2t2>

73  
Jim N3VXI